

A printhead for an inkjet printer having geometric features which reduce drop placement error of main and satellite drops ejected from the nozzles of the printhead.

5 Nozzles that are tilted along an axis corresponding to the direction of scanning of the
printhead while printing have reduced drop placement error in the orthogonal direction to
the scanning, and create a breakoff velocity for the satellite drop that can cause the main
and satellite drops to be placed in a coincident location on the medium in one of the
directions of scanning, thus forming desirable round printed spots and reducing drop
10 placement error in the scan direction. These improvements can be repeatably achieved for
all nozzles. Nozzles with non-circular and asymmetric bores also reduce drop placement
errors, particularly when these types of nozzles are also tilted.